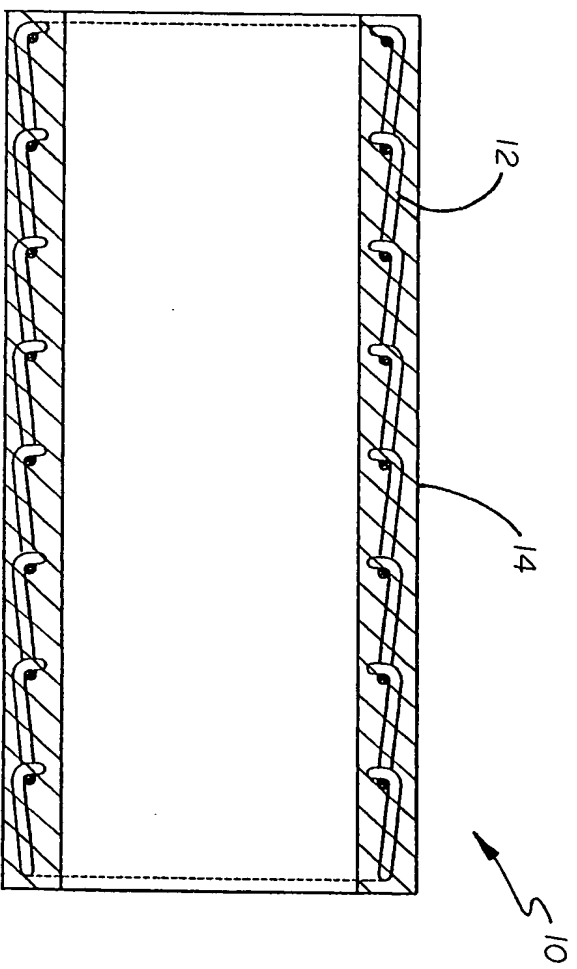
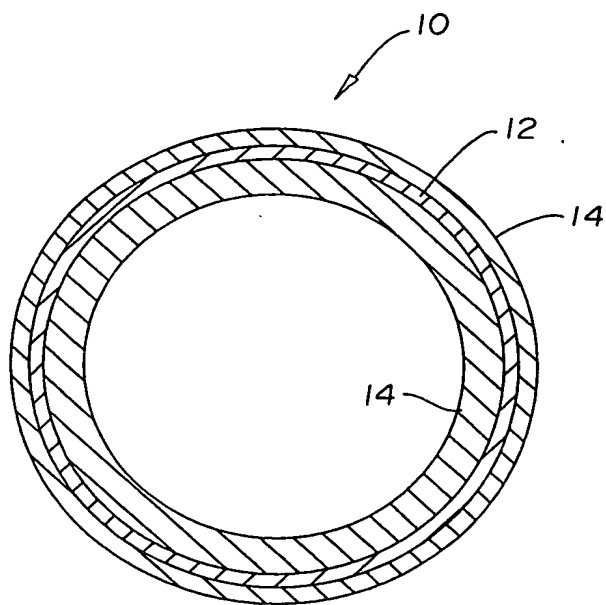


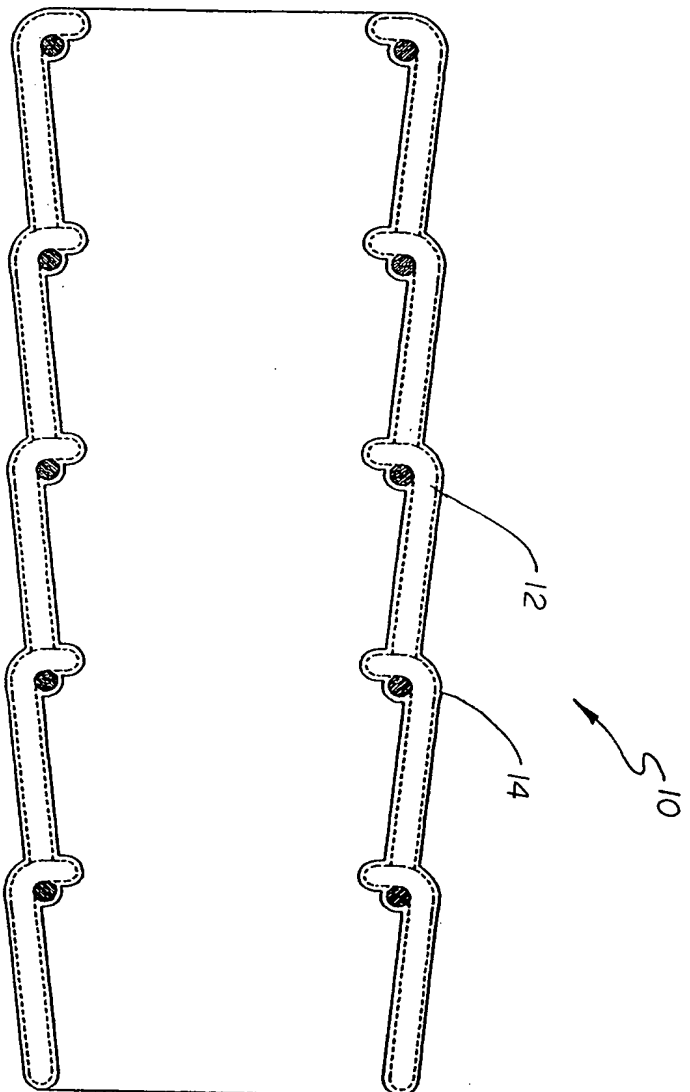
Fig. 1



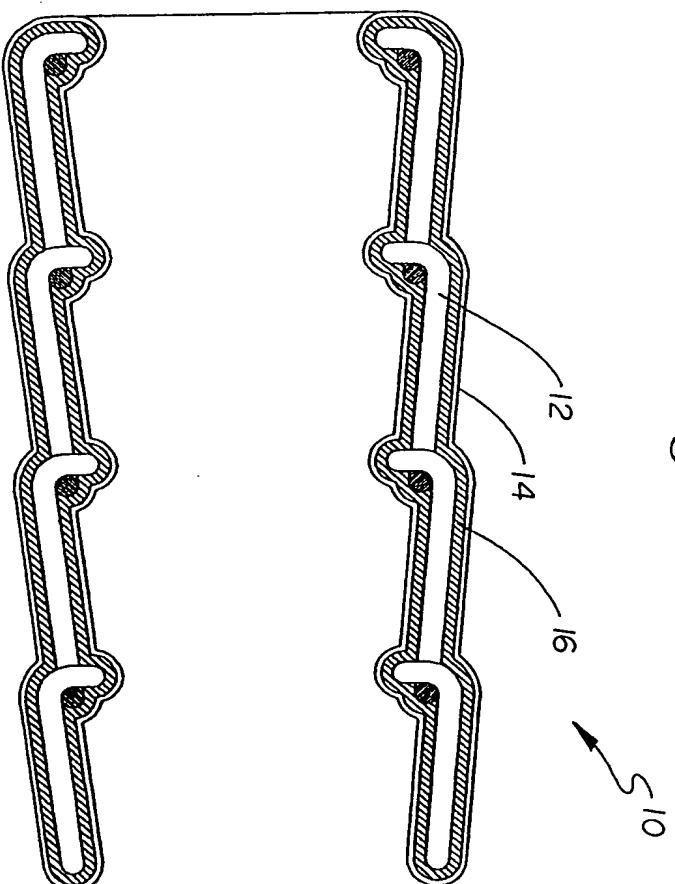
*Fig. 2*



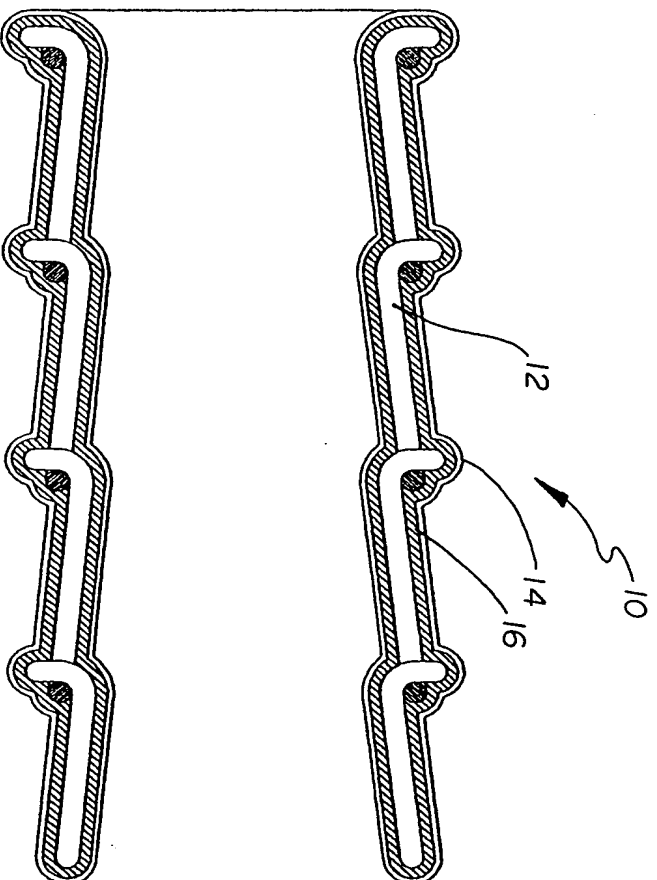
*Fig. 3*



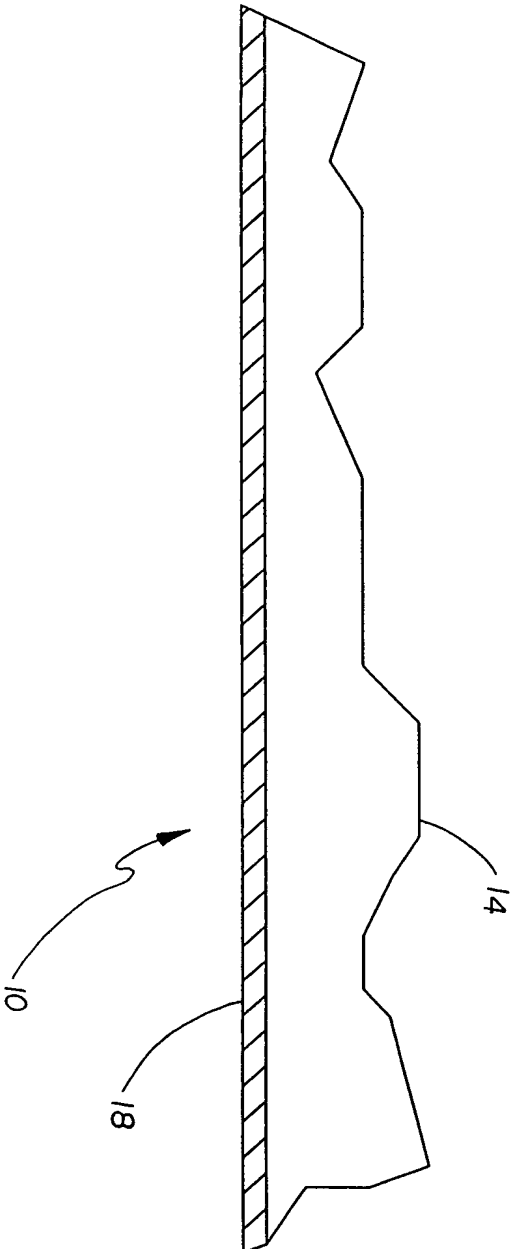
**Fig. 4**



*Fig. 5*



*Fig. 6*



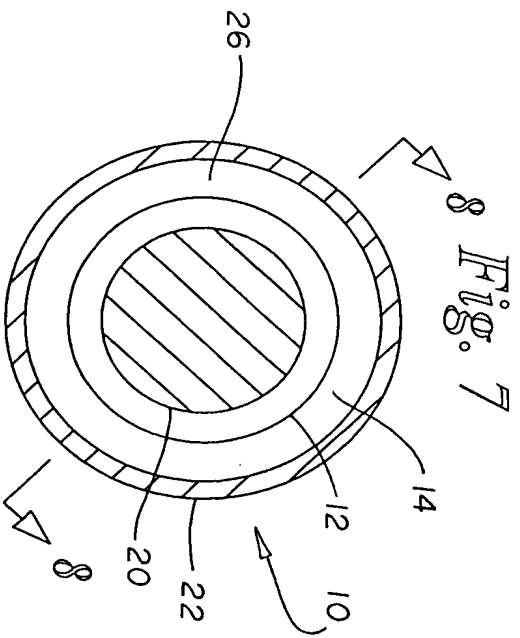
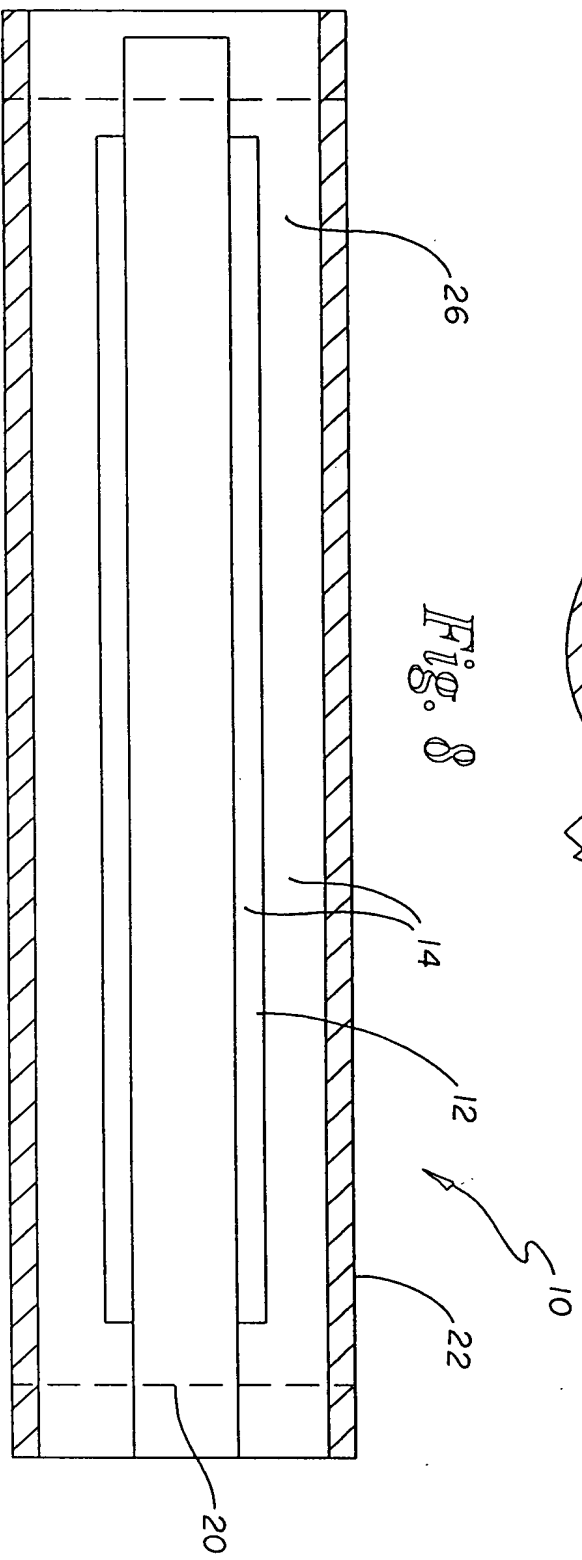


Fig. 8



## *Fig. 9*

### **Scheme 1**

1. Mucopolysaccharide (water soluble) + Cationic Moiety  $\rightarrow$   
organic solvent soluble mucopolysaccharide
2. organic solvent soluble Mucopolysaccharide + chemical reaction in  
organic solvent  $\rightarrow$  chemically modified mucopolysaccharide  
modified in organic solvent (O-MPSAC)
3. (O-MPSAC) + de-complexation  $\rightarrow$  O-MPSAC soluble in water



## *Fig. 10*

### **Scheme 2**

1. Mucopolysaccharide (water soluble) + 1<sup>st</sup>-chemical reaction →  
Mucopolysaccharide chemically modified in water (W-MPSAC)
2. W-MPSAC (water soluble) + Cationic Moiety → complexed  
organic soluble W-MPSAC
3. complexed organic soluble W-MPSAC + 2<sup>nd</sup> chemical reaction + de-  
complexation → chemically modified Water soluble-  
mucopolysaccharide